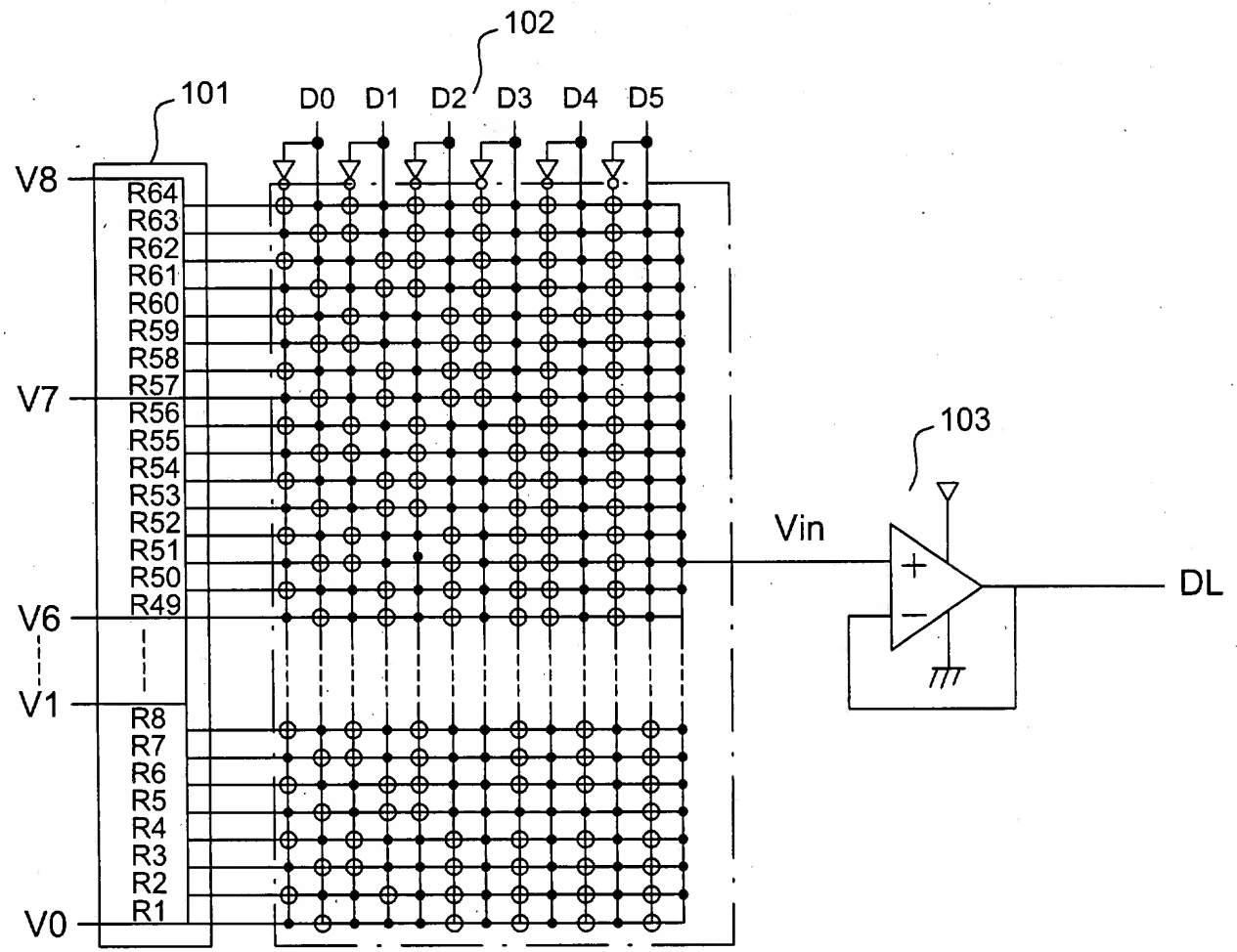


FIG. 1 (PRIOR ART)

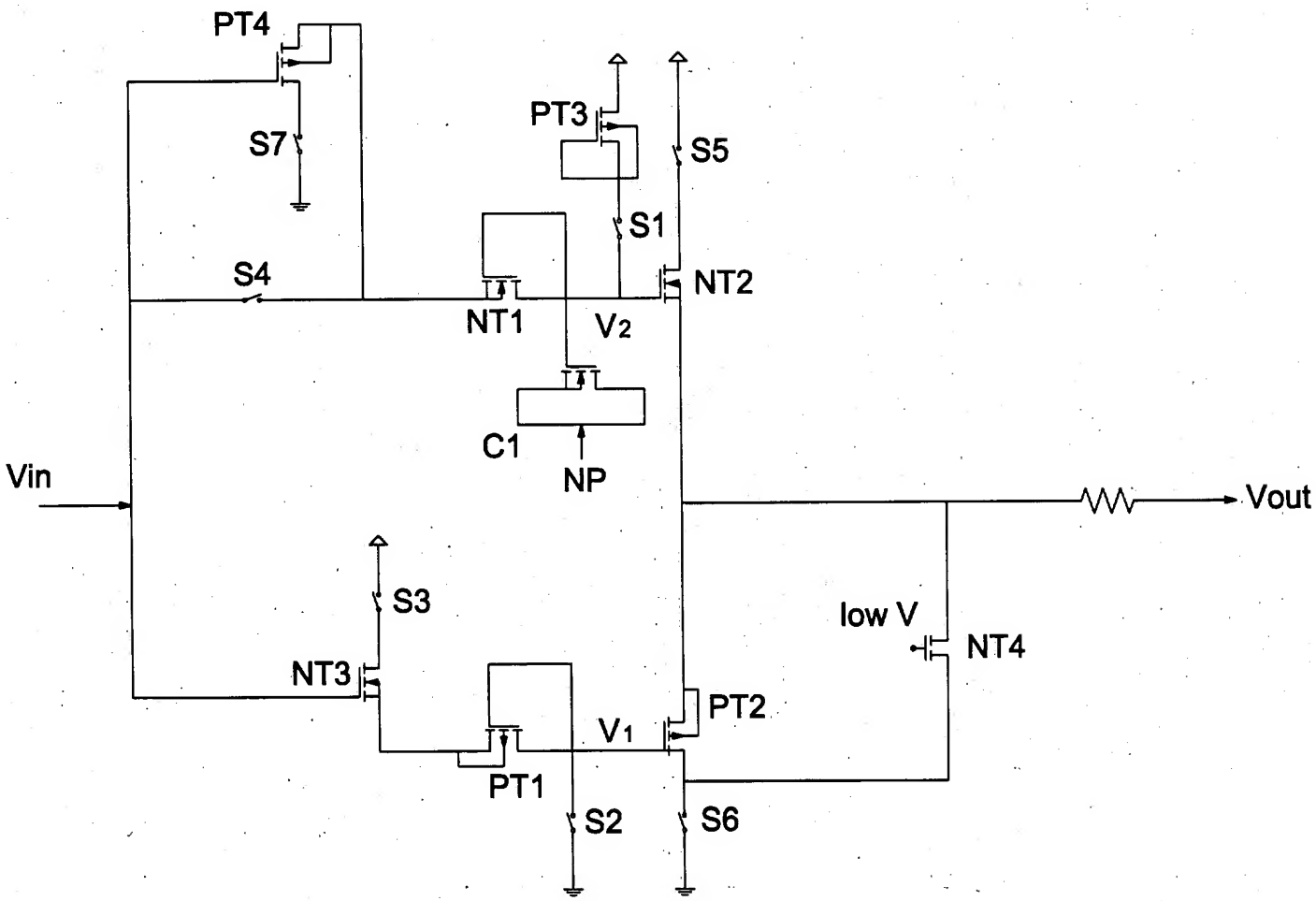

PT4
S7
PT3
S5
S1
S4
NT2
NT1
V2
C1
NP
Vin
Vout
S3
low V
NT4
NT3
PT2
V1
PT1
S2
S6

FIG. 2

FIG. 3A

FIG. 3B

FIG. 3C

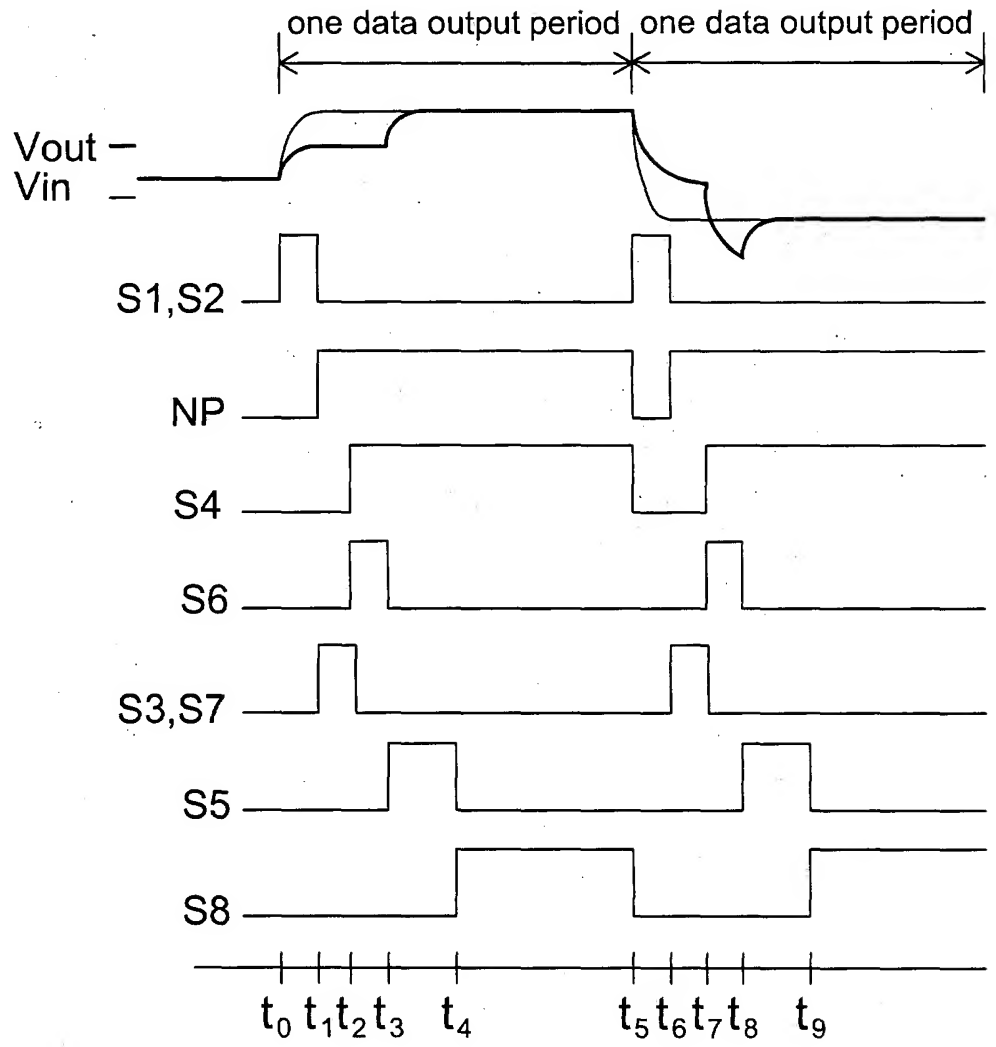
FIG. 3D

FIG. 3E

FIG. 3F

FIG. 3G

FIG. 3H



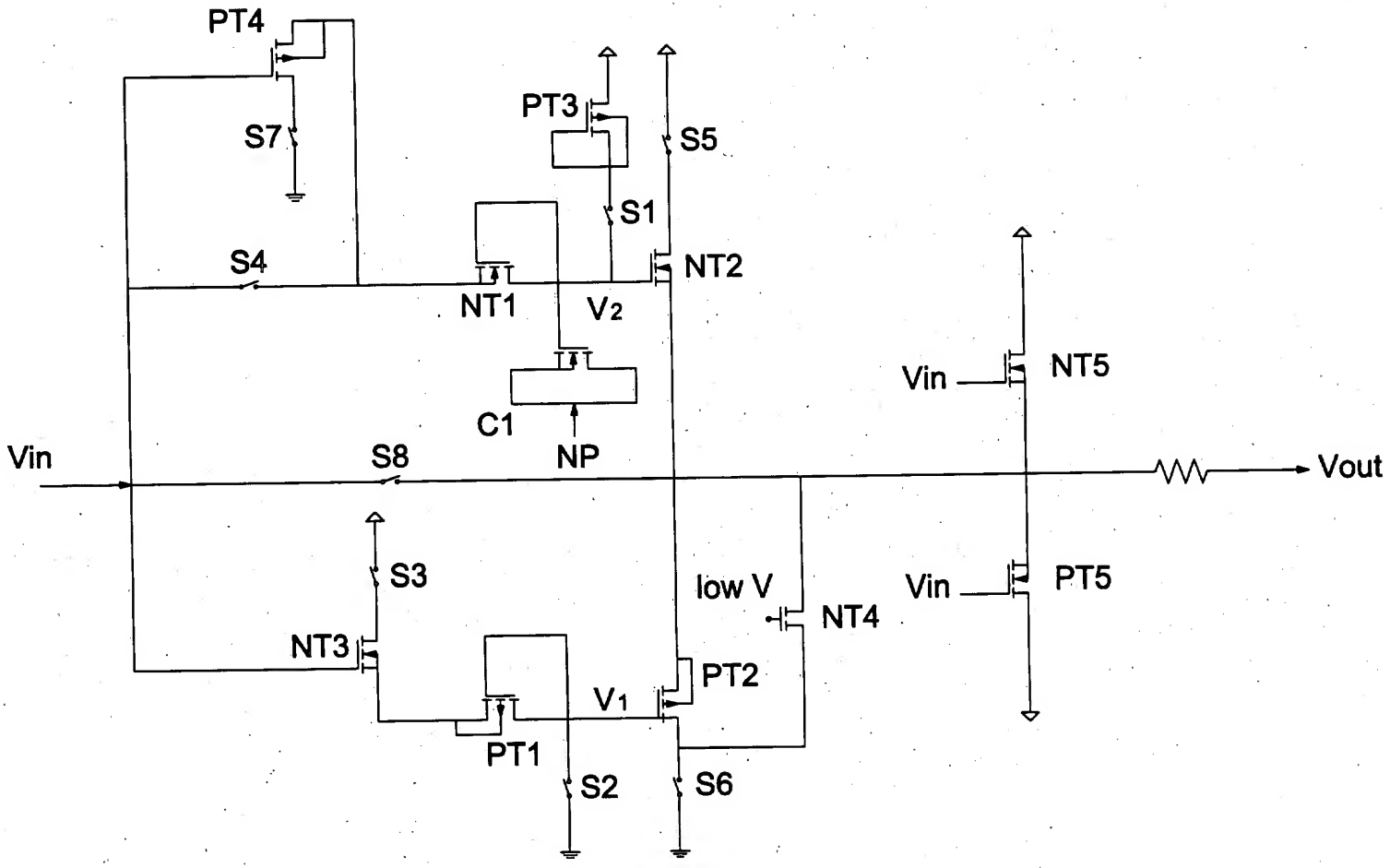

PT4
S7
PT3
S5
S1
S4
NT1
V2
NT2
C1
NP
Vin
S8
Vout
Vin
NT5
S3
low V
NT4
Vin
PT5
NT3
PT2
V1
PT1
S2
S6

FIG. 4

S1	S2	NP	S3(S7)	S4	S5	S6	S8
ON	ON	Low	OFF	OFF	OFF	OFF	OFF
OFF	OFF	High	ON	OFF	OFF	OFF	OFF
OFF	OFF	High	OFF	ON	OFF	ON	OFF
OFF	OFF	High	OFF	ON	ON	OFF	OFF
OFF	OFF	High	OFF	ON	OFF	OFF	ON

FIG. 5

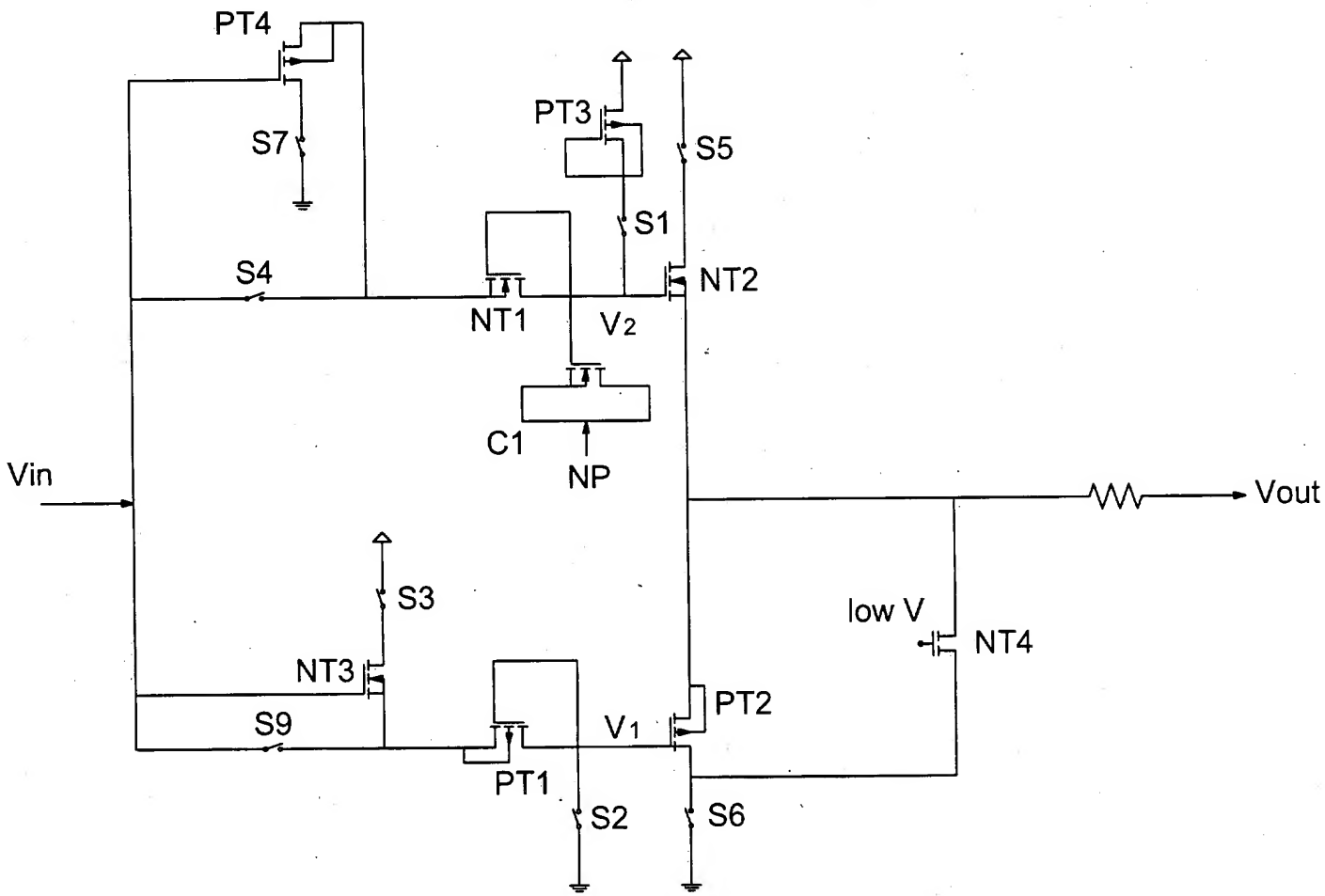

PT4
S7
PT3
S5
S1
S4
NT2
NT1
V2
C1
NP
Vin
Vout
S3
low V
NT4
NT3
PT2
S9
V1
PT1
S2
S6

FIG. 6

FIG. 7A

FIG. 7B

FIG. 7C

FIG. 7D

FIG. 7E

FIG. 7F

FIG. 7G

FIG. 7H

FIG. 7I

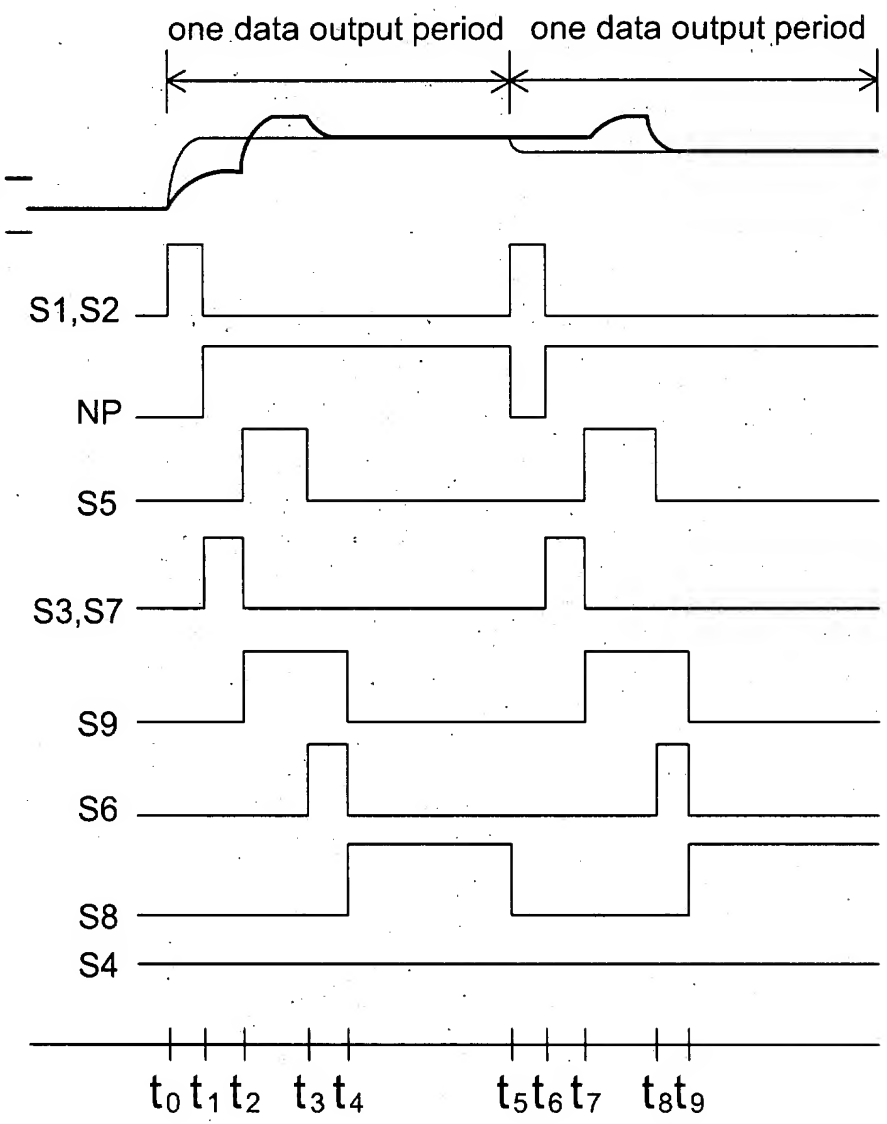


FIG. 8A

FIG. 8B

FIG. 8C

FIG. 8D

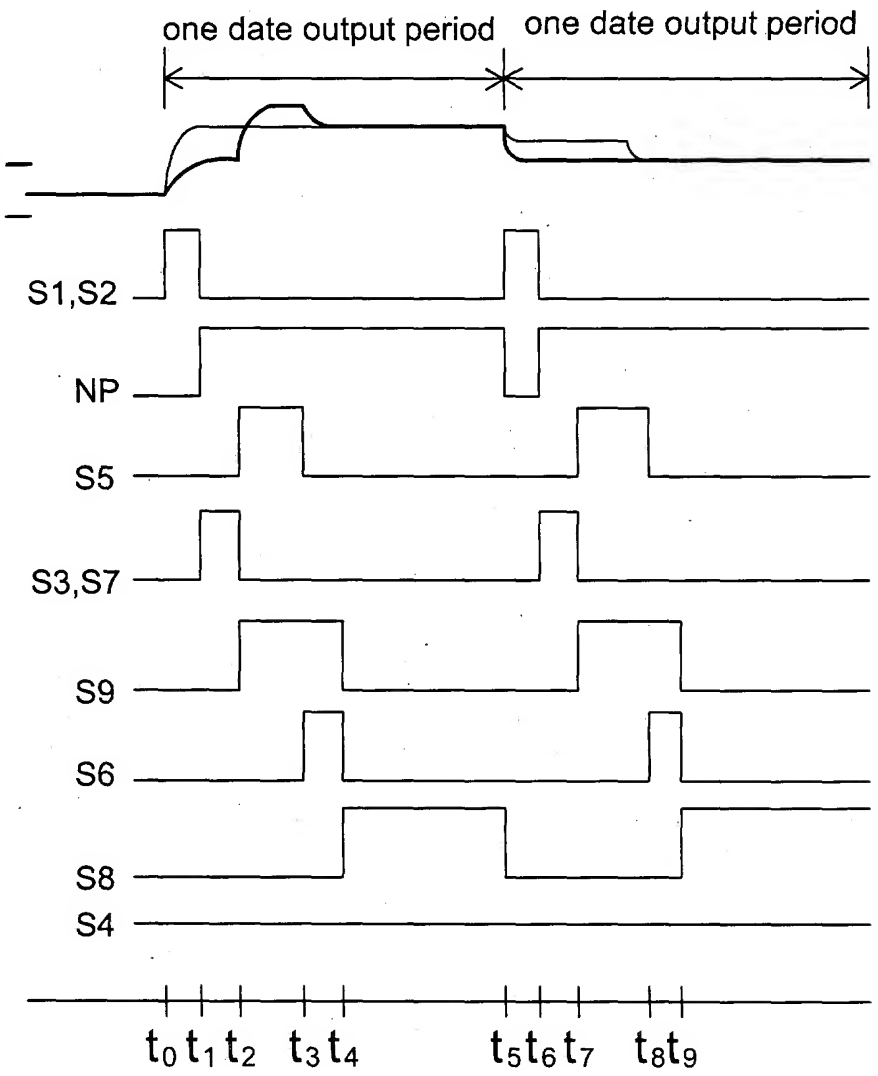
FIG. 8E

FIG. 8F

FIG. 8G

FIG. 8H

FIG. 8I



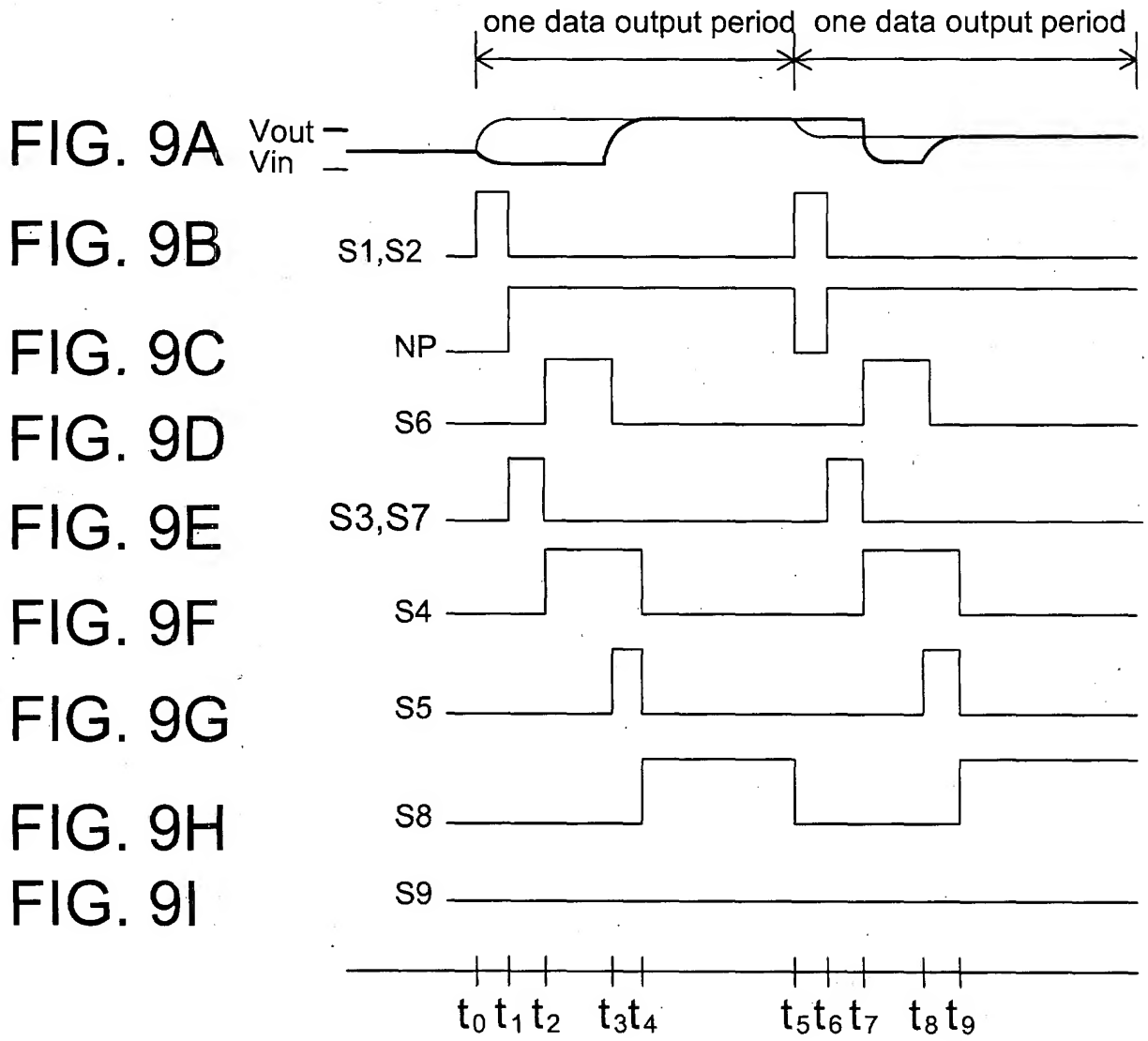


FIG. 9A

FIG. 9B

FIG. 9C

FIG. 9D

FIG. 9E

FIG. 9F

FIG. 9G

FIG. 9H

FIG. 9I

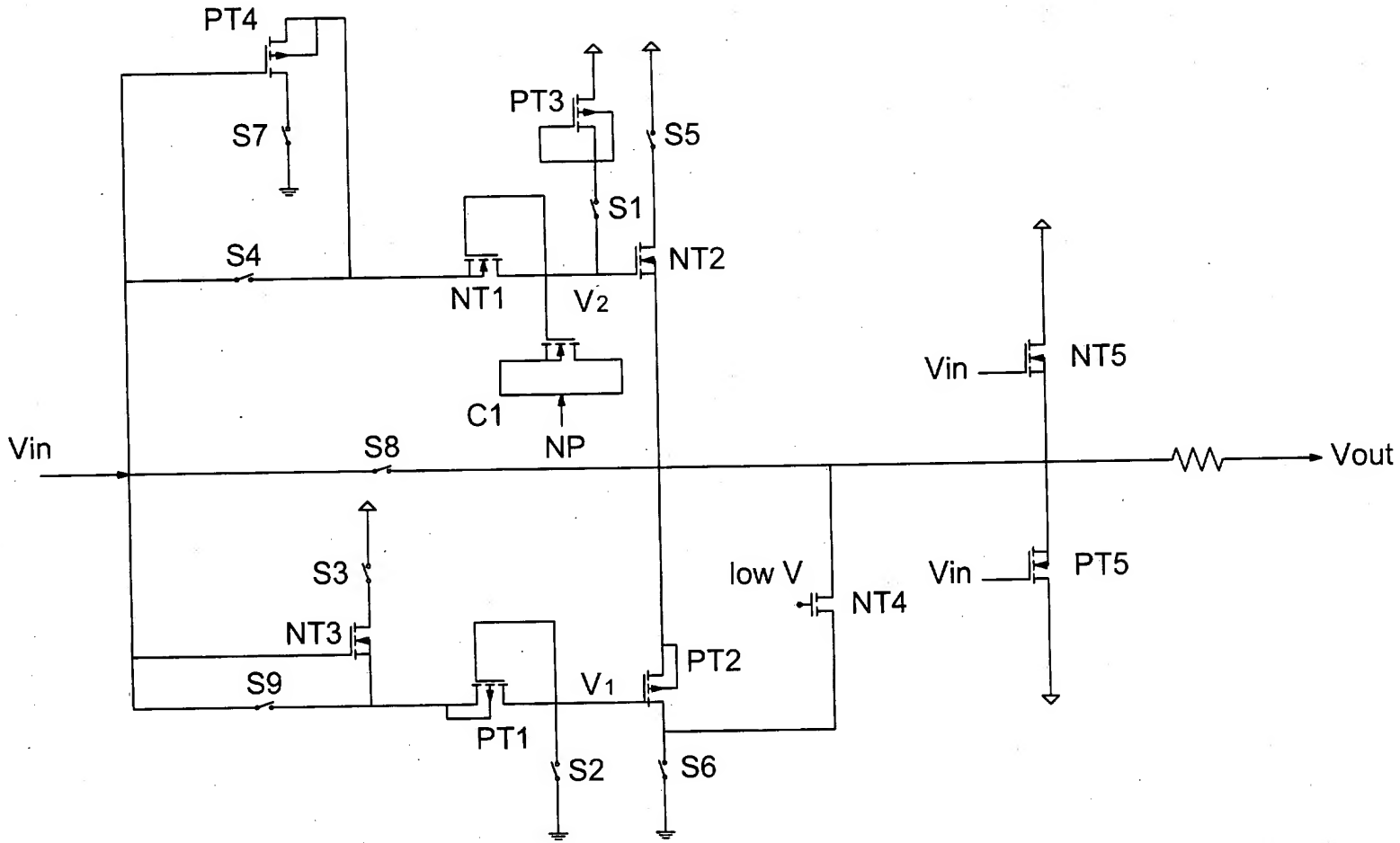

PT4
S7
PT3
S5
S1
S4
NT1
V2
NT2
C1
NP
Vin
NT5
Vin
S8
Vout
S3
low V
Vin
PT5
NT3
NT4
S9
V1
PT2
PT1
S2
S6

FIG. 10

S1	S2	NP	S3(S7)	S4	S9	S5	S6	S8
ON	ON	Low	OFF	OFF	OFF	OFF	OFF	OFF
OFF	OFF	High	ON	OFF	OFF	OFF	OFF	OFF
OFF	OFF	High	OFF	OFF	ON	ON	OFF	OFF
OFF	OFF	High	OFF	OFF	ON	OFF	ON	OFF
OFF	OFF	High	OFF	OFF	OFF	OFF	OFF	ON

FIG. 11